

CLAIMS

What is claimed is:

- Sub A 1. 1. A method of controlling use of a network resource, comprising the steps of:
2
3 accessing and navigating the network resource;
4 detecting request and response messages that are generated during the navigating;
5 creating and storing an access and navigation script based on the request and response
6 messages;
7 modifying the access and navigation script to result in creating and storing a
8 generalized script that can accept context specific request and response
information when used in an actual user navigation of the network resource.
- 1 2. A method as recited in Claim 1, further comprising the steps of creating and storing
2 meta-information representing the request and response messages; creating and
3 storing the access and navigation script based on the meta-information.
- 1 3. A method as recited in Claim 1, further comprising the steps of retrieving and
2 analyzing the stored meta-information, and creating and storing the access and
3 navigation script based on the meta-information.
- 1 4. A method as recited in Claim 1, further comprising the steps of creating one or more
2 application programs that are associated with the generalized script; delivering
3 services or information from the network resource through a user view server that is
4 configured to execute the application programs under control of the generalized script
5 and as a proxy for the network resource.
- 1 5. A method as recited in Claim 1, further comprising the steps of:
2 receiving a request from the client for use of a function or resource of the network
3 resource;
4 accessing the generalized script to obtain a request template corresponding to the
5 client request;

merging contemporaneous information that is specific to the client request into the request template to result in creating a context-specific request; communicating the context-specific request to the network resource.

6. A method as recited in Claim 5, further comprising the steps of: receiving a context-specific response from the network resource; accessing the generalized script to obtain a response template corresponding to the context-specific response; modifying the context-specific response according to the generalized script; communicating the modified response to the client.

7. A method as recited in Claim 5, further comprising the steps of: receiving a context-specific response from the network resource; accessing the generalized script to obtain a response template corresponding to the context-specific response; modifying the context-specific response according to the generalized script; communicating the modified response to a user view server for subsequent communication to the client, whereby the client receives a view of the network resource that is controlled according to the generalized script.

8. A method of controlling use of a network resource, comprising the steps of: creating and storing an access and navigation script based on requests and responses that are generated during a session of navigating the network resource; modifying the access and navigation script to result in creating and storing a generalized script that can accept context specific request and response information; receiving a request from the client for use of a function or resource of the network resource; accessing the generalized script to obtain a request template corresponding to the client request;

11 merging contemporaneous information that is specific to the client request into the
12 request template to result in creating a context-specific request;
13 communicating the context-specific request to the network resource.

1 9. A method as recited in Claim 8, further comprising the steps of:
2 receiving a context-specific response from the network resource;
3 accessing the generalized script to obtain a response template corresponding to the
4 context-specific response;
5 modifying the context-specific response according to the generalized script;
6 communicating the modified response to the client.

1 10. A method as recited in Claim 8, further comprising the steps of:
2 receiving a context-specific response from the network resource;
3 accessing the generalized script to obtain a response template corresponding to the
4 context-specific response;
5 modifying the context-specific response according to the generalized script;
6 communicating the modified response to a user view server for subsequent
7 communication to the client, whereby the client receives a view of the network
8 resource that is controlled according to the generalized script.

1 11. A method of controlling use of a Web site, comprising the steps of:
2 accessing and navigating the Web site using a browser associated with a network
3 administrator or other authorized party;
4 detecting request and response messages that are generated by the Web site and the
5 browser during the navigating;
6 creating and storing an access and navigation script based on the request and response
7 messages;
8 modifying the access and navigation script to result in creating and storing a
9 generalized script that can accept context specific request and response
10 information when used in an actual user navigation of the Web site.

3 that are associated with the generalized script; delivering services or information from
4 the network resource through a user view server that is configured to execute the
5 application programs under control of the generalized script and as a proxy for the
6 network resource.

1 16. Apparatus as recited in Claim 12, wherein the instructions further comprise
2 instructions for carrying out the steps of:
3 receiving a request from the client for use of a function or resource of the network
4 resource;
5 accessing the generalized script to obtain a request template corresponding to the
6 client request;
7 merging contemporaneous information that is specific to the client request into the
8 request template to result in creating a context-specific request;
9 communicating the context-specific request to the network resource.

1 17. Apparatus as recited in Claim 16, wherein the instructions further comprise
2 instructions for carrying out the steps of:
3 receiving a context-specific response from the network resource;
4 accessing the generalized script to obtain a response template corresponding to the
5 context-specific response;
6 modifying the context-specific response according to the generalized script;
7 communicating the modified response to the client.

1 18. Apparatus as recited in Claim 16, wherein the instructions further comprise
2 instructions for carrying out the steps of:
3 receiving a context-specific response from the network resource;
4 accessing the generalized script to obtain a response template corresponding to the
5 context-specific response;
6 modifying the context-specific response according to the generalized script;

7 communicating the modified response to a user view server for subsequent
8 communication to the client, whereby the client receives a view of the network
9 resource that is controlled according to the generalized script.

1 19. Apparatus for controlling use of a network resource, comprising:
2 a navigation capture server that can access a network resource and that is coupled to a
3 data store;
4 a user view server coupled to the navigation capture server and to the data store;
5 instructions stored in association with the navigation capture server and user view
6 server which, when executed by one or more processors of the navigation
7 capture server or user view server, cause the one or more processors to carry
8 out the steps of:
9 creating and storing an access and navigation script based on requests and responses
10 that are generated during a session of navigating the network resource;
11 modifying the access and navigation script to result in creating and storing a
12 generalized script that can accept context specific request and response
13 information;
14 receiving a request from the client for use of a function or resource of the network
15 resource;
16 accessing the generalized script to obtain a request template corresponding to the
17 client request;
18 merging contemporaneous information that is specific to the client request into the
19 request template to result in creating a context-specific request;
20 communicating the context-specific request to the network resource.

1 20. A computer-readable medium carrying one or more sequences of instructions for
2 controlling use of a network resource, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 accessing and navigating the network resource;
6 detecting request and response messages that are generated during the navigating;

7 creating and storing an access and navigation script based on the request and response
8 messages;
9 modifying the access and navigation script to result in creating and storing a
10 generalized script that can accept context specific request and response
11 information when used in an actual user navigation of the network resource.